| NO. | NOTES |
|---|---|
| 1. | BASE WIRING AS SHIPPED IS ARRANGED FOR USE WITH LINE RELAY AND .020 AMP. LINE CURRENT. CHANGES REQUIRED FOR OTHER OPERATING CONDITIONS ARE SHOWN BELOW. SUFFICIENT RESISTANCE MUST BE PROVIDED IN THE LINE CIRCUIT TO REDUCE THE LINE CURRENT TO THE PROPER VALUE. |

WIRING REQUIREMENTS

| LINE CURRENT | BASE | TYPING UNITS: WITH PULLING MAGNET SEL. | TYPING UNITS: WITH HOLDING MAGNET SEL. | KEYBOARD: WITH LINE TEST KEY & 3700Ω – 800Ω RES. |
|---|---|---|---|---|
| .060 AMP. | 1. WITH RY28(215H) OR RY30(255A) LINE RELAY WIRING AS SHOWN EXCEPT 8000Ω BIAS RESISTOR NOT IN CIRCUIT (MOVE GREEN WIRE FROM END SHOWN TO OPPOSITE END OF 8000Ω RESISTOR) | WIRING AS SHOWN FIG. 1 | WIRING AS SHOWN MAGNETS IN PARALLEL | 3700Ω, 800Ω RESISTOR WIRED WITH 800Ω RESISTANCE INSTEAD OF 4500Ω IN CIRCUIT |
| | 2. WITHOUT LINE RELAY – SAME AS NO. 4 | SAME AS NO. 1 | SAME AS NO. 1 | SAME AS NO. 1 |
| .020 AMP. | 3. WITH RY30(255A) LINE RELAY, WIRING AS SHOWN, WITH 8000Ω BIAS RESISTOR IN CIRCUIT | SAME AS NO. 1 | WIRING AS SHOWN MAGNETS IN PARALLEL | 3700Ω, 800Ω RESISTOR WIRED AS SHOWN WITH 4500Ω RESISTANCE IN CIRCUIT. |
| | 4. WITHOUT LINE RELAY MOVE BLACK WIRE FROM TERM. 62 TO 61. MOVE GREEN WIRE FROM TERM. 65 TO 66. FROM TERM. 61 DISCONNECT AND TAPE THE BLUE WIRE GOING TO TERM. 3 OF LINE RELAY. | CANNOT BE USED. | MAGNETS IN SERIES | SAME AS NO. 3 |

2. RY28 RELAY (W.E. 215H) 85 OHMS PER WINDING (FOR .060 AMP. SIGNALING ONLY.)
RY30 RELAY (W.E. 255A) 136 OHMS PER WINDING (FOR .060 OR .020 AMP. SIGNALING)

3. TO DISABLE SEND-RECEIVE BREAK MECHANISM: 1. REMOVE ALL WIRES 2. SPLICE & TAPE WIRES MARKED "x" 3. TAPE WIRE MARKED "y" 4. SPLICE AND TAPE WIRES MARKED "z"

4. RECOMMENDED FUSETRON OR FUSTAT (AND ALTERNATE FUSE) PROTECTION.

| MOTOR | FUSETRON OR FUSTAT | FUSE |
|---|---|---|
| 110V. A.C.- 60 CYCLE SYN. | 3.2 AMP. | 6 AMP. |
| 110V. A.C.- 25 CYCLE SYN. | 1.6 AMP. | 3 AMP. |
| 110V. A.C.- 60 CYCLE GOV. | 1.6 AMP. | 3 AMP. |
| 110V. D.C. GOV. | .8 AMP. | 3 AMP. |

5. WHEN A.C. SERIES MOTOR IS TO BE USED ON 25 CYCLE POWER SUPPLY, A 25 OHM RESISTOR SHOULD BE CONNECTED IN SERIES WITH ONE OF THE POWER LEADS.

6. ASSOCIATED CABLES

- 91769 BASE (POWER)
- 91770 BASE (LINE)
- 91789 LINE RELAY UNIT
- 124590 TYPING UNIT (HOLDING MAGNET)
- 74625 TYPING UNIT (PULLING MAGNET)
- 92237 KEYBOARD
- 92238 KEYBOARD
- 114749 KEYBOARD
- 91762 A.C. MOTOR UNIT
- 91763 D.C. MOTOR UNIT
- 91768 STRAP
- 116159 STRAP
- 123540 CABLE ASSEM.
- RM39522 STRAP

AJAX ALL TAPED ENDS — X — DENOTES SPLICE AND TAPE

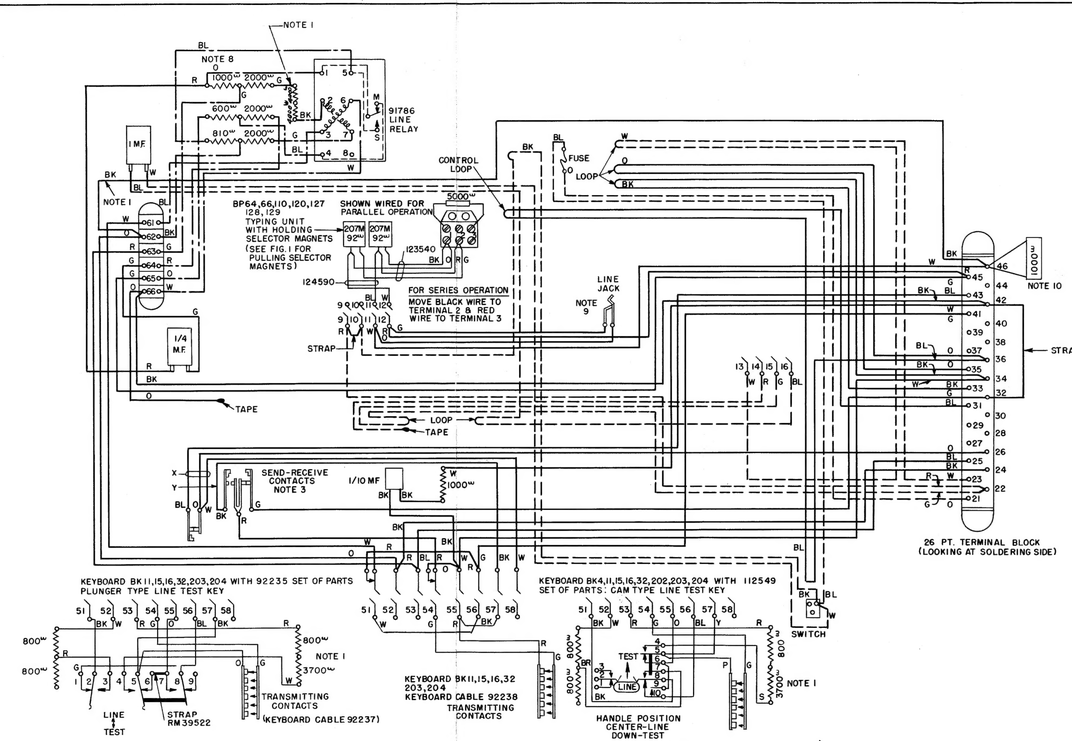
7. WIRE COLOR CODE AND SYMBOLS MAY BE SOLID COLOR OR TRACERS IN WHITE WIRE

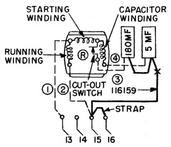
| | | | |
|---|---|---|---|
| Y | YELLOW | W | WHITE |
| G | GREEN | O | ORANGE |
| BR | BROWN | S | SLATE |
| P | PURPLE (RED AND BLUE TRACERS | R | RED |
| BK | BLACK | | |
| BL | BLUE | | |

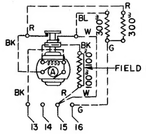
8. COVER LEADS AT LINE RELAY RESISTOR TERMINALS WITH HIGH TEMPERATURE TUBING 60278 RM

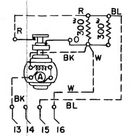
9. LINE JACK IS OPEN WHEN PRINTER IS IN POSITION.

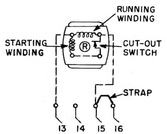
10. CONNECT ONE OF THE 1000 OHM RESISTOR LEADS TO TERMINAL 45 WHEN IT IS NECESSARY TO REDUCE THE NEGATIVE INTERNAL BIAS OF HOLDING MAGNET TYPE PRINTERS WITH THE SELECTOR COILS CONNECTED IN PARALLEL.



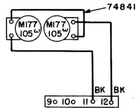




FIG. 1
BP17,19
TYPING UNIT WITH PULLING SELECTOR MAGNETS

| REVISIONS | | |
|---|---|---|
| F | 11-27-53 | 53813 |

**2437 WD**
4-29-46

WIRING DIAGRAM MODEL 15 PRINTER

BB 73

BP 64,66,110,120,127, 128,129,17,19

BK 4,11,15,16,32,202, 203,204,

MU 4,7,8,11,12,15,33

| DRAWN: G.A.R. | APPROVED: R.T. Ayer |
|---|---|
| ENG'R'D: E.P.N. | |
| CHECKED: R.W.D. | |
| FILE: 33-64.8AA | |

TELETYPE CORPORATION